



## RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 08/349,177B  
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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/08/349,177B

DATE: 09/05/2002  
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Input Set : F:\39963-20006.txt  
Output Set: N:\CRF4\09052002\H349177B.raw

Does Not Comply  
Corrected Diskette Needed

pp 1-13

4 <110> APPLICANT: Grey, Howard  
5 Sette, Alessandro  
6 Sidney, John  
8 <120> TITLE OF INVENTION: HLA-A2.1 BINDING PEPTIDES AND THEIR USES  
11 <130> FILE REFERENCE: 399632000623  
13 <140> CURRENT APPLICATION NUMBER: US 08/349,177B  
14 <141> CURRENT FILING DATE: 1994-12-02  
16 <150> PRIOR APPLICATION NUMBER: 08/159,184  
17 <151> PRIOR FILING DATE: 1993-11-29  
19 <150> PRIOR APPLICATION NUMBER: 08/073,205  
20 <151> PRIOR FILING DATE: 1993-06-04  
22 <150> PRIOR APPLICATION NUMBER: 08/027,146  
23 <151> PRIOR FILING DATE: 1993-03-05  
25 <160> NUMBER OF SEQ ID NOS: 472  
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

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4151 <223> OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr  
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4155 <223> OTHER INFORMATION: Xaa = Tyr, Phe, Trp  
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4163 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
4164 Gln, Ser, Thr, Val, Trp, Tyr  
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(global error)

→ <220> this numeric identifier is  
mandatory  
wherever  
<221>, <222>, or  
<223> is shown

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/08/349,177B

DATE: 09/05/2002  
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4193 <223> OTHER INFORMATION: Xaa = Tyr, Phe, Trp  
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4294 <222> LOCATION: (1)...(1)  
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4620 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met  
 E--> 4622 <400> SEQUENCE: 383  
 W--> 4623 Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa  
 4624 1 5  
 4626 <210> SEQ ID NO: 384  
 4627 <211> LENGTH: 9  
 4628 <212> TYPE: PRT  
 4629 <213> ORGANISM: Homo Sapiens →(2207)  
 4631 <221> NAME/KEY: VARIANT  
 4632 <222> LOCATION: (1)...(1)  
 4633 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
 W--> 4635 <221> VARIANT  
 4636 <222> LOCATION: (2)...(2)  
 4637 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr  
 W--> 4639 <221> VARIANT  
 4640 <222> LOCATION: (3)...(3)  
 4641 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 4642 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
 W--> 4644 <221> VARIANT  
 4645 <222> LOCATION: (4)...(4)  
 4646 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
 W--> 4648 <221> VARIANT  
 4649 <222> LOCATION: (5)...(8)  
 4650 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
 W--> 4652 <221> VARIANT  
 4653 <222> LOCATION: (9)...(9)  
 4654 <223> OTHER INFORMATION: Xaa = Ala, Met  
 E--> 4656 <400> SEQUENCE: 384  
 W--> 4657 Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 4658 1 5  
 4660 <210> SEQ ID NO: 385  
 4661 <211> LENGTH: 9  
 4662 <212> TYPE: PRT  
 4663 <213> ORGANISM: Homo Sapiens →(2207)  
 4665 <221> NAME/KEY: VARIANT  
 4666 <222> LOCATION: (1)...(1)  
 4667 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
 W--> 4669 <221> VARIANT  
 4670 <222> LOCATION: (2)...(2)  
 4671 <223> OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr  
 W--> 4673 <221> VARIANT  
 4674 <222> LOCATION: (3)...(3)  
 4675 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
 4676 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
 W--> 4678 <221> VARIANT  
 4679 <222> LOCATION: (4)...(4)  
 4680 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
 W--> 4682 <221> VARIANT  
 4683 <222> LOCATION: (5)...(8)

RAW SEQUENCE LISTING  
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4684 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4686 <221> VARIANT  
4687 <222> LOCATION: (9)...(9)  
4688 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met  
E--> 4690 <400> SEQUENCE: 385  
W--> 4691 Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa  
4692 1 5  
4694 <210> SEQ ID NO: 386  
4695 <211> LENGTH: 9  
4696 <212> TYPE: PRT  
4697 <213> ORGANISM: Homo Sapiens *>2207*  
4699 <221> NAME/KEY: VARIANT  
4700 <222> LOCATION: (1)...(1)  
4701 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4703 <221> VARIANT  
4704 <222> LOCATION: (2)...(2)  
4705 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr  
W--> 4707 <221> VARIANT  
4708 <222> LOCATION: (3)...(3)  
4709 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4711 <221> VARIANT  
4712 <222> LOCATION: (4)...(4)  
4713 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4715 <221> VARIANT  
4716 <222> LOCATION: (5)...(6)  
4717 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4719 <221> VARIANT  
4720 <222> LOCATION: (7)...(7)  
4721 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
4722 Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4724 <221> VARIANT  
4725 <222> LOCATION: (8)...(8)  
4726 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4728 <221> VARIANT  
4729 <222> LOCATION: (9)...(9)  
4730 <223> OTHER INFORMATION: Xaa = Ala, Met  
E--> 4732 <400> SEQUENCE: 386  
W--> 4733 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4734 1 5  
4736 <210> SEQ ID NO: 387  
4737 <211> LENGTH: 9  
4738 <212> TYPE: PRT  
4739 <213> ORGANISM: Homo Sapiens *>2207*  
4741 <221> NAME/KEY: VARIANT  
4742 <222> LOCATION: (1)...(1)  
4743 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4745 <221> VARIANT  
4746 <222> LOCATION: (2)...(2)  
4747 <223> OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr

## RAW SEQUENCE LISTING

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W--> 4749 <221> VARIANT  
4750 <222> LOCATION: (3)...(6)  
4751 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4753 <221> VARIANT  
4754 <222> LOCATION: (4)...(4)  
4755 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4757 <221> VARIANT  
4758 <222> LOCATION: (5)...(6)  
4759 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4761 <221> VARIANT  
4762 <222> LOCATION: (7)...(7)  
4763 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
4764 Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4766 <221> VARIANT  
4767 <222> LOCATION: (8)...(8)  
4768 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4770 <221> VARIANT  
4771 <222> LOCATION: (9)...(9)  
4772 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met  
E--> 4774 <400> SEQUENCE: 387  
W--> 4775 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4776 1 5  
4778 <210> SEQ ID NO: 388  
4779 <211> LENGTH: 9  
4780 <212> TYPE: PRT  
4781 <213> ORGANISM: Homo Sapiens → 47207  
4783 <221> NAME/KEY: VARIANT  
4784 <222> LOCATION: (1)...(1)  
4785 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4787 <221> VARIANT  
4788 <222> LOCATION: (2)...(2)  
4789 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr  
W--> 4791 <221> VARIANT  
4792 <222> LOCATION: (3)...(3)  
4793 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4795 <221> VARIANT  
4796 <222> LOCATION: (4)...(4)  
4797 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4799 <221> VARIANT  
4800 <222> LOCATION: (5)...(5)  
4801 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4803 <221> VARIANT  
4804 <222> LOCATION: (6)...(6)  
4805 <223> OTHER INFORMATION: Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
4806 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4808 <221> VARIANT  
4809 <222> LOCATION: (7)...(8)  
4810 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4812 <221> VARIANT

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Input Set : F:\39963-20006.txt  
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4813 <222> LOCATION: (9)...(9)  
4814 <223> OTHER INFORMATION: Xaa = Ala, Met  
E--> 4816 <400> SEQUENCE: 388  
W--> 4817 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4818 1 5  
4820 <210> SEQ ID NO: 389  
4821 <211> LENGTH: 9  
4822 <212> TYPE: PRT  
4823 <213> ORGANISM: Homo Sapiens → 2207  
4825 <221> NAME/KEY: VARIANT  
4826 <222> LOCATION: (1)...(1)  
4827 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4829 <221> VARIANT  
4830 <222> LOCATION: (2)...(2)  
4831 <223> OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr  
W--> 4833 <221> VARIANT  
4834 <222> LOCATION: (3)...(3)  
4835 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4837 <221> VARIANT  
4838 <222> LOCATION: (4)...(4)  
4839 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4841 <221> VARIANT  
4842 <222> LOCATION: (5)...(5)  
4843 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4845 <221> VARIANT  
4846 <222> LOCATION: (6)...(6)  
4847 <223> OTHER INFORMATION: Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
4848 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4850 <221> VARIANT  
4851 <222> LOCATION: (7)...(8)  
4852 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4854 <221> VARIANT  
4855 <222> LOCATION: (9)...(9)  
4856 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met  
E--> 4858 <400> SEQUENCE: 389  
W--> 4859 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4860 1 5  
4862 <210> SEQ ID NO: 390  
4863 <211> LENGTH: 9  
4864 <212> TYPE: PRT  
4865 <213> ORGANISM: Homo Sapiens → 2207  
4867 <221> NAME/KEY: VARIANT  
4868 <222> LOCATION: (1)...(1)  
4869 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
4870 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
W--> 4872 <221> VARIANT  
4873 <222> LOCATION: (2)...(2)  
4874 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr  
W--> 4876 <221> VARIANT

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4877 <222> LOCATION: (3)...(6)  
4878 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4880 <221> VARIANT  
4881 <222> LOCATION: (8)...(8)  
4882 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4884 <221> VARIANT  
4885 <222> LOCATION: (9)...(9)  
4886 <223> OTHER INFORMATION: Xaa = Ala, Met  
E--> 4888 <400> SEQUENCE: 390  
W--> 4889 Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
4890 1 5  
7471 <210> SEQ ID NO: 472  
7472 <211> LENGTH: 9  
7473 <212> TYPE: PRT  
7474 <213> ORGANISM: Homo Sapiens  
7476 <400> SEQUENCE: 472  
7477 Lys Val Ala Glu Leu Val His Phe Leu  
7478 1 5  
E--> 7479 1

*delete*

*FyI*  
Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

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Input Set : F:\39963-20006.txt  
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L:3533 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:350  
 L:3537 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:350  
 L:3538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:350 after pos.:0  
 L:3556 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:351  
 L:3560 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:351  
 L:3561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:351 after pos.:0  
 L:3579 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:352  
 L:3583 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:352  
 L:3584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:0  
 L:3602 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:353  
 L:3606 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:353  
 L:3607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:0  
 L:3625 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:354  
 L:3629 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:354  
 L:3635 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:354  
 L:3636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354 after pos.:0  
 L:3654 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:355  
 L:3658 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:355  
 L:3664 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:355  
 L:3665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:0  
 L:3683 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:356  
 L:3689 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:356  
 L:3693 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:356  
 L:3694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356 after pos.:0  
 L:3712 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:357  
 L:3718 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:357  
 L:3722 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:357  
 L:3723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357 after pos.:0  
 L:3741 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:358  
 L:3747 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:358  
 L:3751 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:358  
 L:3752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358 after pos.:0  
 L:3770 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:359  
 L:3776 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:359  
 L:3780 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:359  
 L:3781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0  
 L:3799 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:360  
 L:3805 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:360  
 L:3809 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:360  
 L:3810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:0  
 L:3828 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:361  
 L:3834 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:361  
 L:3838 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:361  
 L:3839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:0  
 L:3857 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362  
 L:3861 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362  
 L:3867 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362  
 L:3871 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362

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L:3872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362 after pos.:0  
L:3890 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3894 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3900 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3904 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0  
L:3923 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3927 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3933 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3937 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:364 after pos.:0  
L:3956 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3960 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3966 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3970 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:0  
L:3989 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:366  
L:3993 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:366  
L:4004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366 after pos.:0  
L:4037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:0  
L:4070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:0  
L:4103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:0  
L:4136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:0  
L:4174 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:371  
L:4175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371 after pos.:0  
L:4212 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:372  
L:4213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:0  
L:4250 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:373  
L:4251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:373 after pos.:0  
L:4284 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:374  
L:4285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:374 after pos.:0  
L:4318 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:375  
L:4319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:375 after pos.:0  
L:4356 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:376  
L:4357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376 after pos.:0  
L:4394 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:377  
L:4395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377 after pos.:0  
L:4436 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:378  
L:4437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:0  
L:4478 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:379  
L:4479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:379 after pos.:0  
L:4516 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:380  
L:4517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:0  
L:4554 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:381  
L:4555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:0  
L:4588 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:382  
L:4589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:0  
L:4622 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:383  
L:4623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:383 after pos.:0

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L:4656 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:384  
L:4657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:384 after pos.:0  
L:4690 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:385  
L:4691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385 after pos.:0  
L:4732 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:386  
L:4733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:0  
L:4774 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:387  
L:4775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387 after pos.:0  
L:4816 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:388  
L:4817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:0  
L:4858 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:389  
L:4859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389 after pos.:0  
L:4888 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:390  
L:4889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390 after pos.:0  
L:4918 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:391  
L:4919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391 after pos.:0  
L:4952 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:392  
L:4953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392 after pos.:0  
L:4982 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:393  
L:4983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:393 after pos.:0  
L:5012 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:394  
L:5013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:0  
L:5046 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:395  
L:5047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:395 after pos.:0  
L:5072 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:396  
L:5073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396 after pos.:0  
L:5098 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:397  
L:5099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:397 after pos.:0  
L:5128 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:398  
L:5129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398 after pos.:0  
L:5158 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:399  
L:5159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399 after pos.:0  
L:5192 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:400  
L:5226 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:401  
L:5260 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:402  
L:5294 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:403  
L:5328 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:404  
L:5362 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:405  
L:5396 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:406  
L:5430 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:407  
L:5460 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:408  
L:5490 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:409  
L:5515 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:410  
L:5540 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:411  
L:5570 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:412  
L:5600 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:413  
L:5634 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:414  
L:5668 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:415  
L:5702 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:416

## VERIFICATION SUMMARY

PATENT APPLICATION: US/08/349,177B

DATE: 09/05/2002

TIME: 10:13:05

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

L:5736 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:417  
L:5770 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:418  
L:5804 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:419  
L:5838 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:420  
L:7479 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:472